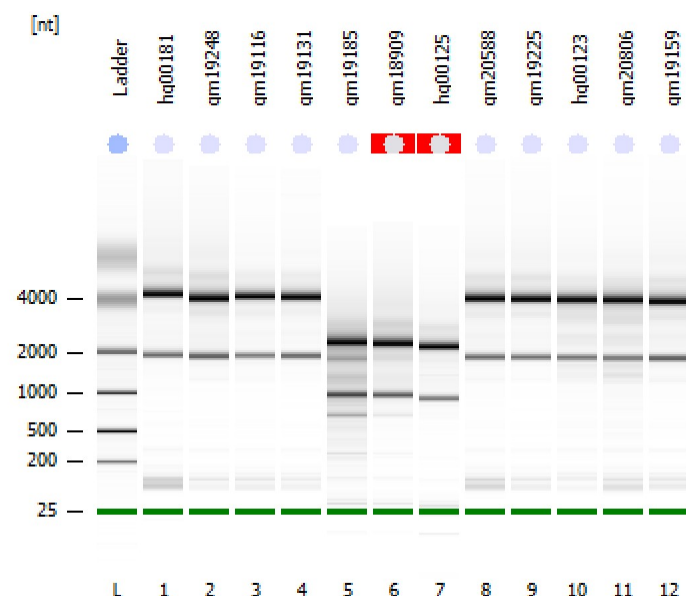


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-24\_15-35-22.xad

Created: 10/24/2011 3:35:22 PM  
Modified: 10/24/2011 3:58:23 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

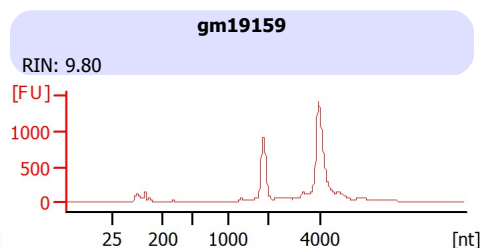
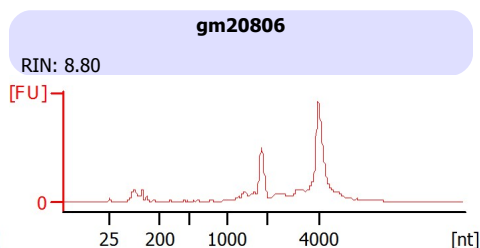
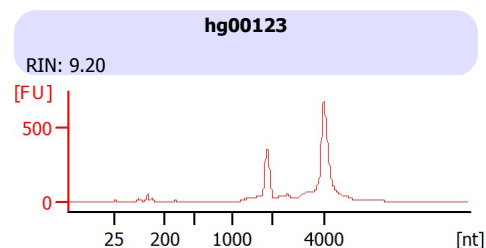
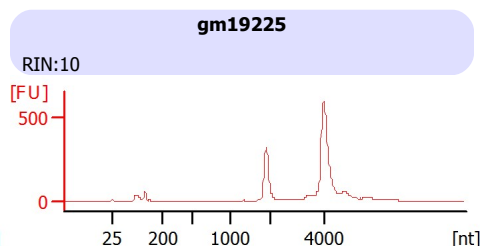
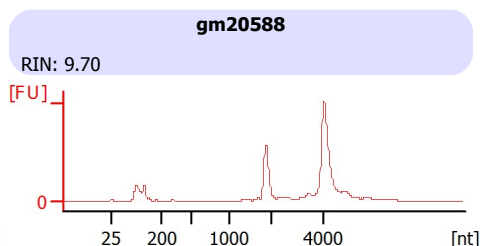
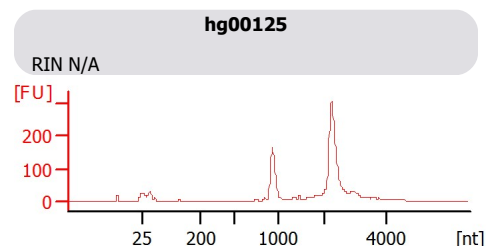
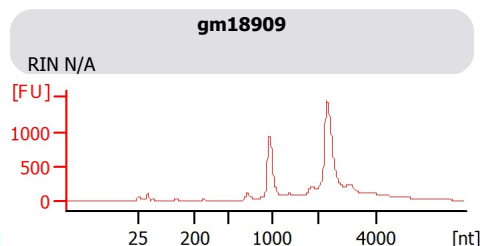
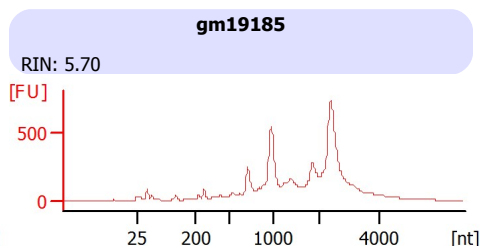
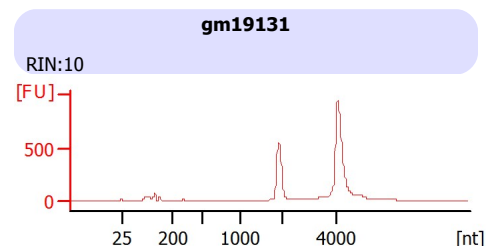
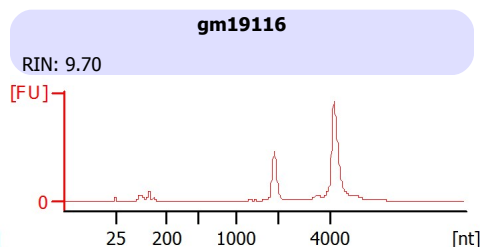
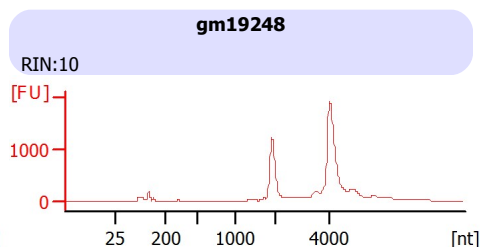
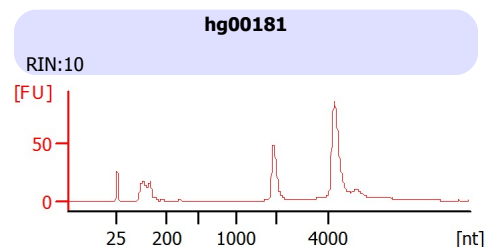
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-24\_15-35-22.xad

Created: 10/24/2011 3:35:22 PM  
Modified: 10/24/2011 3:58:23 PM

**Electrophoresis File Run Summary (Chip Summary)**

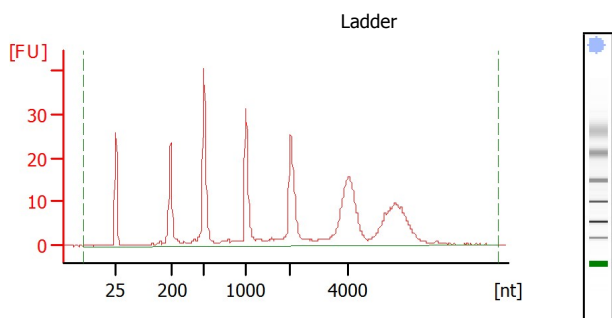
Sample Name	Sample Comment	Stat Result Label	Result Color
hg00181		✓ RIN:10	
gm19248		✓ RIN:10	
gm19116		✓ RIN: 9.70	
gm19131		✓ RIN:10	
gm19185		✓ RIN: 5.70	
gm18909		✓ RIN N/A	
hg00125		✓ RIN N/A	
gm20588		✓ RIN: 9.70	
gm19225		✓ RIN:10	
hg00123		✓ RIN: 9.20	
gm20806		✓ RIN: 8.80	
gm19159		✓ RIN: 9.80	
Ladder		✓ All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-24\_15-35-22.xad

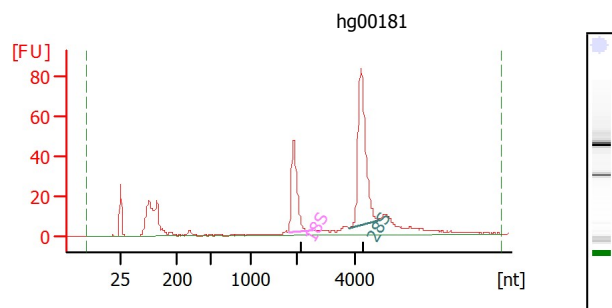
Created: 10/24/2011 3:35:22 PM  
 Modified: 10/24/2011 3:58:23 PM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 347.0  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

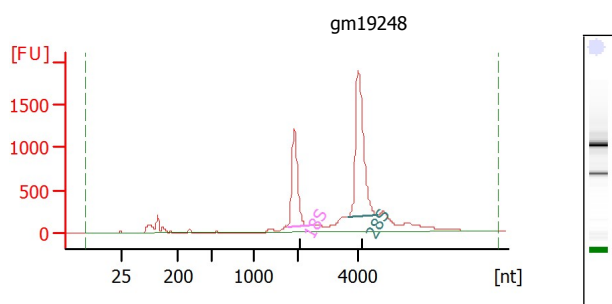


#### Overall Results for sample 1 : hg00181

RNA Area: 483.1  
 RNA Concentration: 209 ng/μl  
 rRNA Ratio [28s / 18s]: 1.9  
 RNA Integrity Number (RIN): 10 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:10

#### Fragment table for sample 1 : hg00181

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,800	2,566	81.4	16.9
28S	3,816	4,793	155.5	32.2

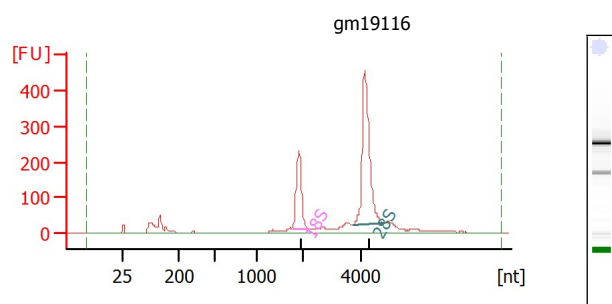


#### Overall Results for sample 2 : gm19248

RNA Area: 11,021.6  
 RNA Concentration: 4,765 ng/μl  
 rRNA Ratio [28s / 18s]: 1.7  
 RNA Integrity Number (RIN): 10 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:10

#### Fragment table for sample 2 : gm19248

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,752	2,497	2,116.9	19.2
28S	3,663	4,672	3,641.1	33.0



#### Overall Results for sample 3 : gm19116

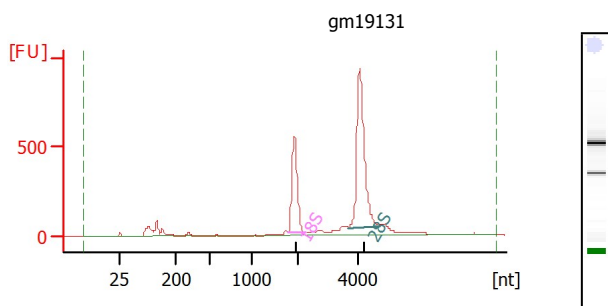
RNA Area: 2,037.1  
 RNA Concentration: 881 ng/μl  
 rRNA Ratio [28s / 18s]: 2.3  
 RNA Integrity Number (RIN): 9.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.70

#### Fragment table for sample 3 : gm19116

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	2,243	348.6	17.1
28S	3,715	4,806	799.3	39.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-24\_15-35-22.xad

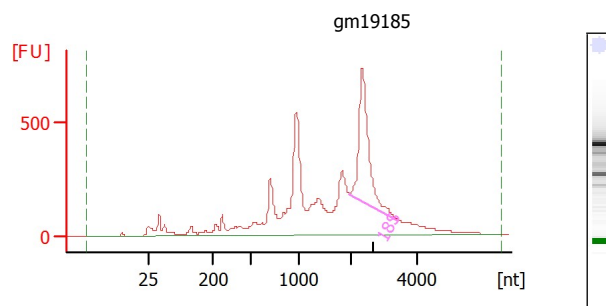
Created: 10/24/2011 3:35:22 PM  
Modified: 10/24/2011 3:58:23 PM

**Electropherogram Summary Continued ...****Overall Results for sample 4 : gm19131**

RNA Area: 4,201.1  
RNA Concentration: 1,816 ng/μl  
rRNA Ratio [28s / 18s]: 1.9  
RNA Integrity Number (RIN): 10 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN:10

**Fragment table for sample 4 : gm19131**

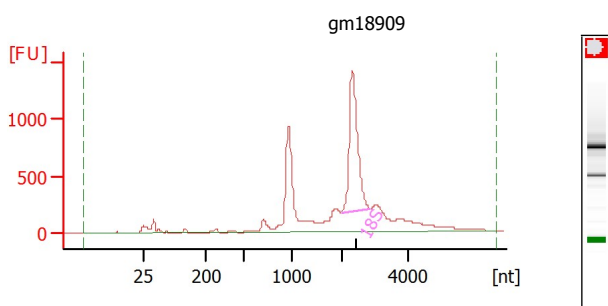
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,773	2,243	907.9	21.6
28S	3,701	4,749	1,728.8	41.2

**Overall Results for sample 5 : gm19185**

RNA Area: 8,012.6  
RNA Concentration: 3,464 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): 5.7 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 5.70

**Fragment table for sample 5 : gm19185**

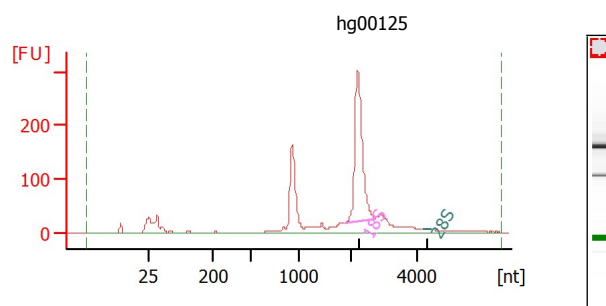
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,996	3,429	1,448.0	18.1

**Overall Results for sample 6 : gm18909**

RNA Area: 9,670.7  
RNA Concentration: 4,181 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): N/A (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN N/A

**Fragment table for sample 6 : gm18909**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,984	2,864	2,745.8	28.4

**Overall Results for sample 7 : hg00125**

RNA Area: 1,491.7  
RNA Concentration: 645 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): N/A (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN N/A

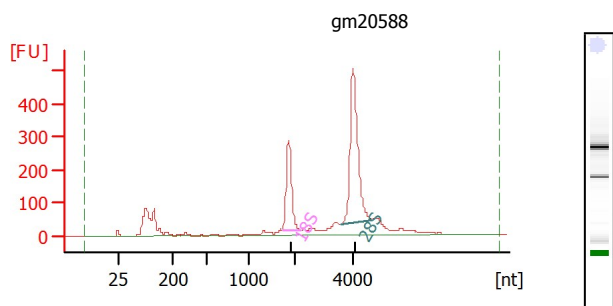
**Fragment table for sample 7 : hg00125**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,900	2,712	557.5	37.4
28S	4,156	4,382	0.5	0.0

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-24\_15-35-22.xad

Created: 10/24/2011 3:35:22 PM  
 Modified: 10/24/2011 3:58:23 PM

### Electropherogram Summary Continued ...

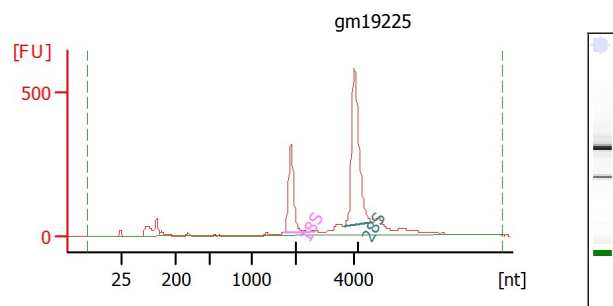


#### Overall Results for sample 8 : gm20588

RNA Area: 2,905.7  
 RNA Concentration: 1,256 ng/μl  
 rRNA Ratio [28s / 18s]: 2.0  
 RNA Integrity Number (RIN): 9.7 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.70

#### Fragment table for sample 8 : gm20588

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,206	472.6	16.3
28S	3,631	4,668	960.3	33.0

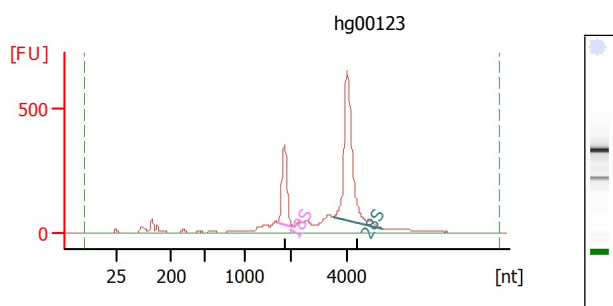


#### Overall Results for sample 9 : gm19225

RNA Area: 2,825.9  
 RNA Concentration: 1,222 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 10 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 10

#### Fragment table for sample 9 : gm19225

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,436	511.7	18.1
28S	3,633	4,629	1,088.7	38.5

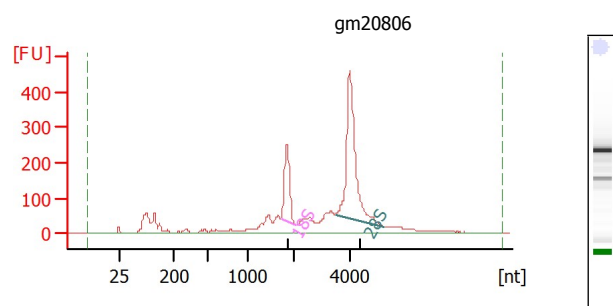


#### Overall Results for sample 10 : hg00123

RNA Area: 3,732.7  
 RNA Concentration: 1,614 ng/μl  
 rRNA Ratio [28s / 18s]: 2.6  
 RNA Integrity Number (RIN): 9.2 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.20

#### Fragment table for sample 10 : hg00123

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	2,113	518.1	13.9
28S	3,510	5,199	1,328.0	35.6



#### Overall Results for sample 11 : gm20806

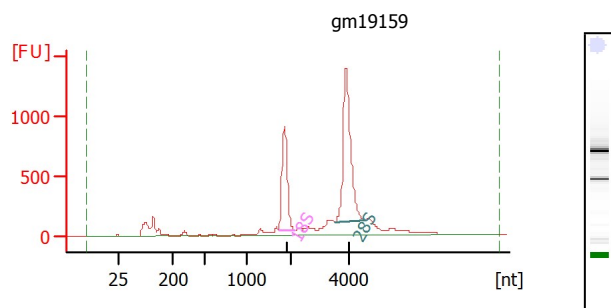
RNA Area: 3,244.4  
 RNA Concentration: 1,403 ng/μl  
 rRNA Ratio [28s / 18s]: 2.7  
 RNA Integrity Number (RIN): 8.8 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.80

#### Fragment table for sample 11 : gm20806

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,725	2,069	356.2	11.0
28S	3,466	5,155	978.5	30.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-24\_15-35-22.xad

Created: 10/24/2011 3:35:22 PM  
Modified: 10/24/2011 3:58:23 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : gm19159**

RNA Area: 7,969.5  
RNA Concentration: 3,445 ng/μl  
rRNA Ratio [28s / 18s]: 1.8  
RNA Integrity Number (RIN): 9.8 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.80

**Fragment table for sample 12 : gm19159**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,716	2,127	1,478.3	18.5
28S	3,539	4,573	2,659.2	33.4